



## State of Nevada – Department Of Personnel

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### CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
LIMNOLOGICAL FIELD WORKER	30	H	9.494

#### DEFINITION OF THE CLASS:

Under general supervision, is responsible for the limnological field sampling activities at Lake Mead and on the Colorado River to include the operation, maintenance and repair of boats and field sampling apparatus as well as the supervision of scuba diving operations to collect field samples, measurements and readings; and performs related work as required.

EXAMPLES OF WORK: (The following is used as a partial description and is not restrictive as to duties required.)

Operates towing vehicles, research boats and limnological field equipment used to take samples, measurements and readings for chemical and biological analysis as well as algae productivity, temperature, oxygen levels, pH, conductivity, light transparency and transmittance at various locations on Lake Mead in a variety of weather conditions during the day and at night.

Maintains, calibrates, repairs and modifies field sampling equipment such as electronic light meters, depth sounders, scuba equipment and the hydro laboratory using hand tools and test equipment.

Maintains and overhauls research boats with inboard and outboard engines including mechanical outdrive and jet drive propulsion units by performing preventative maintenance such as oil, filter, point and spark plug changes; rebuilding engines; replacing cables, shifters, gauges, wiring and brakes; packing wheel bearings. Performs preventative maintenance on tow vehicles such as pickup trucks and cleans and paints boats and test equipment in order to preserve operating efficiency and appearance.

Supervises and participates in scuba diving operations in a variety of weather conditions during the daytime and night to bring up, relocate or establish data collection equipment.

Keeps records on dives, limnological readings and measurements and boat and vehicle maintenance.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES REQUIRED: (These may be acquired on the job and/or needed to perform the work assigned.)

Working knowledge of and understanding of limnological field sampling and testing equipment.

Ability to take field samples and readings from limnological field equipment such as echo sounder, light meter, and fluorometer. Ability to calibrate, perform routine maintenance, repair or modify field sampling equipment. Ability to supervise scuba diving operations.

ENTRY KNOWLEDGE, SKILLS AND ABILITIES REQUIRED: (Applicants will be screened for possession of these through written, oral, performance or other evaluation procedures.)

Working knowledge of inboard and outboard marine engine repair and maintenance. General knowledge of mechanical outdrive and jet drive boat propulsion units. Working knowledge of the principles, practices and safety procedures of boating and scuba diving. Working knowledge of fiberglass, wood and other marine fabrication and repair material.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES REQUIRED: (cont.)

Ability to make field repairs to boats, motors and sampling equipment. Ability to overhaul and repair marine engines and propulsion units. Ability to read maintenance manuals and sampling instructions. Ability to keep accurate records. Ability to swim. Ability to work odd hours and in inclement weather.

EDUCATION AND/OR WORK EXPERIENCE:

Graduation from high school or the equivalent and two years of experience in the repair and maintenance of boats and marine engines.

LICENSE: A valid Nevada driver's license; plus certification as an advanced scuba diver through a nationally accredited school.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

ESTABLISHED:	<u>9.494</u>
	9/15/80R
	6/5/81PAC
REVISED:	10/25/85-3
REVISED:	7/1/91P
	11/29/90PC